



JENNIFER M. GRANHOLM  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF LABOR & ECONOMIC GROWTH  
LANSING

DAVID C. HOLLISTER  
DIRECTOR

February 11, 2004

The Honorable Marc Shulman, Chair  
House Consumer and Industry Services Subcommittee  
Michigan House of Representatives  
P.O. Box 30014  
Lansing, Michigan 48909

Dear Representative Shulman:

In compliance with Section 317 of P.A. 167 of 2003, attached is the Annual Report on the number of individuals killed and the number of individuals injured on the job within industries regulated by the Bureau of Safety and Regulation for the year 2003.

This notification may also be viewed on our web site within 48 hours under "Inside CIS" at the following address: <http://www.michigan.gov/cis/>. If you have any questions regarding this information, please feel free to contact me at 373-3892.

Sincerely,

Allan R. Pohl  
Director  
Finance and Administrative Services

ARP:rct

cc: House Consumer & Industry Services Subcommittee  
Robert Swanson  
Mary Lannoye  
Douglas Kalinowski  
Dean Kimmith  
Steve Stauff  
Brian Keisling



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February 11, 2004

The Honorable Valde Garcia, Chair  
Senate Consumer and Industry Services Subcommittee  
Michigan State Senate  
P.O. Box 30036  
Lansing, Michigan 48909

Dear Senator Garcia:

In compliance with Section 317 of P.A. 167 of 2003, attached is the Annual Report on the number of individuals killed and the number of individuals injured on the job within industries regulated by the Bureau of Safety and Regulation for the year 2003.

This notification may also be viewed on our web site within 48 hours, under "Inside CIS" at the following address: <http://www.michigan.gov/cis/>. If you have any questions regarding this information, please feel free to contact me at 373-3892.

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cc: Senate Consumer & Industry Services Subcommittee  
Robert Swanson  
Mary Lannoye  
Douglas Kalinowski  
Dean Kimmith  
Maria Tyszkiewicz  
Brian Keisling

**REPORT TO THE LEGISLATURE**  
**OCCUPATIONAL INJURIES, ILLNESSES**  
**AND FATALITIES IN MICHIGAN**

**Developed by the**  
**Bureau of Michigan Occupational Safety and Health Administration**  
**Michigan Department of Labor and Economic Growth**

**January, 2004**

## **MICHIGAN OCCUPATIONAL INJURIES, ILLNESSES AND FATALITIES**

**JANUARY, 2004**

### **INTRODUCTION**

The information that follows is presented in response to Section 317 of Public Act 527 of 2003. This section requires that the Department of Labor and Economic Growth, Bureau of Michigan Occupational Safety and Health Administration, provide an annual report by February 1 of each year "...to the appropriate house and senate appropriations subcommittees and the fiscal agencies on the number of individuals injured on the job within industries related by the bureau during the preceding calendar year."

### **"PROGRAM-RELATED" FATALITIES**

The bureau records "program-related" fatalities. In general, this means that the incident related to the fatality may have resulted from a hazard or hazards that occurred based upon a failure to adhere to one or more Michigan Occupational Safety and Health Administration (MIOSHA) requirements. There were 51 such fatalities in Michigan during calendar year 2003. (See following table for data and definitions.)

### **WORKPLACE INJURIES AND ILLNESSES**

A complete census of occupational illnesses and injuries for Michigan does not exist. However, the bureau cooperates with the U.S. Bureau of Labor Statistics to sample Michigan's employers to produce annual estimates of the number of occurrences of work-related illness and injuries. The 2003 survey collected the 2002 illness and injury occurrences of 5,609 Michigan employers. The employer sample was stratified by industry and the results were used to project total occurrence estimates. The four page table that follows the fatality data presents the results. Footnotes at the end of the table provide additional information about the methodology used. The sample excludes self-employed individuals, railroads, selected mining industries and the federal government.

### **INQUIRIES**

Questions about these data may be directed to the MIOSHA Information Systems Section, Bureau of Michigan Occupational Safety and Health Administration (517) 322-1850.

**MIOSHA Program-Related Fatalities  
Calendar Year 2003**

<b>Occupational Health</b>	<b>3</b>
<b>General Industry</b>	<b>24</b>
<b>Construction</b>	<b><u>24</u></b>
<b>TOTAL</b>	<b>51*</b>

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**\*Data current as of 01/05/04.**

**Source: MIOSHA Information Systems Section, Michigan Department of Labor and Economic Growth**

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**NOTE: A fatality is recorded as "program-related" if it appears to be related to one or more of the following conditions:**

- 1. The incident was found to have resulted from violations of MIOSHA safety and health standards or the general duty clause.**
- 2. The incident was considered to be the result of a failure to follow a good safety and health practice that would be the subject of a safety and health recommendation.**
- 3. The information describing the incident is insufficient to make a clear distinction between a "program-related" and "non-program-related" incident, but the type and nature of the injury indicates that there is a high probability that the injury was the result of a failure to adhere to one or more MIOSHA standards, the general duty clause, or good safety and health practice.**

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002

Michigan										
(In thousands)										
Industry <sup>1</sup>	SIC code <sup>2</sup>	1998 Annual average employment <sup>3</sup>	Injuries and illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total <sup>4</sup>	With days away from work <sup>4</sup>			Total <sup>4</sup>	With days away from work <sup>5</sup>	
All Industries Including State and local government <sup>6</sup>		--	234.9	126.9	58.5	108.0	210.1	--	--	--
Private Industry <sup>6</sup>		--	202.5	111.0	48.8	91.5	180.4	--	--	--
Agriculture, forestry, and fishing <sup>6</sup>		--	2.5	1.2	0.8	1.4	2.2	--	--	--
Agricultural production <sup>6</sup>	01-02	--	0.8	0.4	0.2	0.4	0.7	--	--	--
Agricultural services	07	--	1.7	0.8	0.6	0.9	1.5	--	--	--
Mining <sup>7</sup>		--	0.2	0.1	0.1	0.1	0.2	--	--	--
Construction		--	13.1	6.7	5.1	6.4	12.8	--	--	--
General building contractors	15	--	3.0	1.6	1.3	1.3	2.9	--	--	--
Residential building construction	152	--	1.4	0.9	0.7	0.6	1.4	--	--	--
Nonresidential building construction	154	--	1.5	0.7	--	0.7	1.5	--	--	--
Heavy construction, except building	16	--	1.2	0.7	0.5	0.5	1.2	--	--	--
Highway and street construction	161	--	0.2	0.1	0.1	0.1	0.2	--	--	--
Heavy construction, except highway	162	--	1.0	0.6	0.4	0.4	0.9	--	--	--
Special trade contractors	17	--	8.9	4.4	3.3	4.5	8.7	--	--	--
Plumbing, heating, air-conditioning	171	--	2.3	0.6	0.5	1.6	2.3	--	--	--
Electrical work	173	--	1.7	1.0	0.8	0.7	1.6	--	--	--
Masonry, stonework, and plastering	174	--	1.1	0.6	0.4	0.5	1.1	--	--	--
Carpentry and floor work	175	--	0.9	0.5	0.5	0.3	0.9	--	--	--
Roofing, siding, and sheet metal work	176	--	0.8	0.4	0.3	0.4	0.8	--	--	--
Concrete work	177	--	0.5	0.3	0.3	0.2	0.5	--	--	--
Miscellaneous special trade contractors	179	--	1.5	0.7	0.5	0.7	1.4	--	--	--
Manufacturing		--	85.1	48.0	14.2	37.1	69.3	--	--	--
Durable goods		--	68.1	37.4	10.5	30.7	54.9	--	--	--
Lumber and wood products	24	--	1.9	1.2	0.8	0.7	1.9	--	--	--
Milwork, plywood and structural members	243	--	0.9	0.5	0.2	0.4	0.8	--	--	--
Furniture and fixtures	25	--	4.2	2.7	0.6	1.5	3.4	--	--	--
Office furniture	252	--	1.3	0.8	0.2	0.5	0.8	--	--	--
Stone, clay, and glass products	32	--	1.8	1.0	0.5	0.8	1.6	--	--	--
Products of purchased glass	323	--	0.8	0.5	0.2	0.4	0.7	--	--	--
Concrete, gypsum, and plaster products	327	--	0.5	0.3	0.2	0.2	0.5	--	--	--
Primary metal industries	33	--	4.6	2.5	1.2	2.1	4.3	--	--	--
Blast furnace and basic steel products	331	--	1.1	0.5	0.2	0.6	1.1	--	--	--
Blast furnaces and steel mills	3312	--	0.7	0.2	0.1	0.5	0.7	--	--	--
Iron and steel foundries	332	--	1.3	0.8	0.3	0.5	1.3	--	--	--
Gray and ductile iron foundries	3321	--	0.7	0.3	0.1	0.4	0.7	--	--	--
Fabricated metal products	34	--	13.3	7.1	2.4	6.2	11.3	--	--	--
Cutlery, handtools, and hardware	342	--	0.6	0.3	0.1	0.3	0.4	--	--	--
Fabricated structural metal products	344	--	1.6	0.8	0.3	0.8	1.4	--	--	--
Screw machine products, bolts, etc.	345	--	1.3	0.7	0.3	0.6	1.2	--	--	--
Bolts, nuts, rivets, and washers	3452	--	0.8	0.4	0.1	0.4	0.7	--	--	--
Metal forgings and stampings	346	--	6.8	3.4	1.1	3.4	5.6	--	--	--
Automotive stampings	3465	--	6.0	2.9	0.9	3.1	4.9	--	--	--
Metal services, n.e.c.	347	--	1.3	0.8	0.4	0.5	1.2	--	--	--

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002 - Continued

(In thousands)

Michigan

Industry <sup>1</sup>	SIC code <sup>2</sup>	1998 Annual average employment <sup>3</sup>	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total <sup>4</sup>	With days away from work <sup>5</sup>			Total <sup>4</sup>	With days away from work <sup>5</sup>	
Plating and polishing	3471	--	0.8	0.5	0.2	0.3	0.6	--	--	--
Metal coating and allied services	3479	--	0.5	0.3	0.1	0.2	0.5	--	--	--
Miscellaneous fabricated metal products	349	--	1.7	1.1	0.2	0.6	1.4	--	--	--
Industrial machinery and equipment	35	--	10.7	4.8	1.7	5.9	10.1	--	--	--
Construction and related machinery	353	--	0.7	0.4	0.1	0.3	0.6	--	--	--
Metalworking machinery	354	--	5.8	2.5	0.9	3.3	5.7	--	--	--
Special dies, tools, jigs and fixtures	3544	--	4.2	1.7	0.6	2.5	4.1	--	--	--
Machine tool accessories	3545	--	0.5	0.2	0.1	0.3	0.5	--	--	--
Special industry machinery	355	--	0.4	0.1	( <sup>10</sup> )	0.3	0.3	--	--	--
General industrial machinery	356	--	1.1	0.5	0.2	0.6	1.0	--	--	--
Industrial machinery, n.e.c.	359	--	2.0	1.0	0.3	1.0	1.8	--	--	--
Industrial machinery, n.e.c.	3599	--	1.5	0.7	0.2	0.8	1.4	--	--	--
Electronic and other electric equipment	36	--	2.8	1.4	0.7	1.5	2.4	--	--	--
Household appliances	363	--	0.9	0.5	0.4	0.4	0.8	--	--	--
Transportation equipment	37	--	27.7	16.0	2.4	11.6	19.0	--	--	--
Motor vehicles and equipment	371	--	26.7	15.4	2.3	11.3	18.2	--	--	--
Motor vehicles and car bodies	3711	--	11.3	7.1	1.1	4.2	7.4	--	--	--
Motor vehicle parts and accessories	3714	--	14.8	7.9	1.1	6.9	10.2	--	--	--
Measuring and controlling devices	382	--	0.3	0.2	( <sup>10</sup> )	0.1	0.3	--	--	--
Medical instruments and supplies	384	--	0.3	0.1	( <sup>10</sup> )	0.2	0.2	--	--	--
Miscellaneous manufacturing industries	39	--	0.4	0.2	0.1	0.2	0.3	--	--	--
Nondurable goods		--	17.0	10.6	3.7	6.4	14.4	--	--	--
Food and kindred products	20	--	3.6	2.4	0.8	1.2	3.3	--	--	--
Meat products	201	--	0.5	0.4	0.1	0.1	0.4	--	--	--
Dairy products	202	--	0.5	0.4	0.2	0.1	0.5	--	--	--
Preserved fruits and vegetables	203	--	0.5	0.3	0.1	0.2	0.5	--	--	--
Bakery products	205	--	0.7	0.4	0.1	0.2	0.6	--	--	--
Apparel and other textile products	23	--	1.3	0.7	0.1	0.5	0.7	--	--	--
Miscellaneous fabricated textile products	239	--	1.3	0.7	0.1	0.5	0.7	--	--	--
Automotive and apparel trimmings	2396	--	1.2	0.7	--	0.5	0.6	--	--	--
Paper and allied products	26	--	1.4	0.8	0.4	0.6	1.4	--	--	--
Paperboard containers and boxes	265	--	0.5	0.4	0.2	0.2	0.5	--	--	--
Printing and publishing	27	--	1.9	1.2	0.5	0.7	1.7	--	--	--
Newspapers	271	--	0.8	0.5	0.2	0.3	0.7	--	--	--
Commercial printing	275	--	0.5	0.4	0.2	0.1	0.5	--	--	--
Commercial printing, lithographic	2752	--	0.3	0.2	0.1	0.1	0.3	--	--	--
Chemicals and allied products	28	--	1.6	0.8	0.2	0.8	1.2	--	--	--
Plastics materials and synthetics	282	--	0.1	0.1	--	0.1	0.1	--	--	--
Drugs	283	--	0.8	0.3	0.1	0.5	0.5	--	--	--
Pharmaceutical preparations	2834	--	0.7	0.3	0.1	0.4	0.5	--	--	--
Rubber and miscellaneous plastics products	30	--	6.8	4.5	1.5	2.3	5.9	--	--	--
Miscellaneous plastics products, n.e.c.	308	--	5.9	3.9	1.3	2.0	5.1	--	--	--
Plastics products, n.e.c.	3089	--	4.8	3.3	1.0	1.5	4.1	--	--	--
Transportation and public utilities*		--	10.9	7.8	4.5	3.0	10.3	--	--	--
Local and interurban passenger transit	41	--	1.1	0.8	0.4	0.3	1.1	--	--	--
Trucking and warehousing	42	--	3.3	2.5	1.6	0.8	3.0	--	--	--
Transportation by air	45	--	2.8	2.3	1.5	0.5	2.7	--	--	--
Transportation services	47	--	0.7	0.4	0.2	0.3	0.7	--	--	--

See footnotes at end of table.

Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002 - Continued

## Michigan

(In thousands)

Industry <sup>1</sup>	SIC code <sup>2</sup>	1998 Annual average employment <sup>3</sup>	Injuries and Illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total <sup>4</sup>	With days away from work <sup>5</sup>			Total <sup>4</sup>	With days away from work <sup>5</sup>	
Communications	48	--	1.0	0.7	0.5	0.3	0.9	--	--	--
Electric, gas, and sanitary services	49	--	1.8	1.1	0.3	0.7	1.7	--	--	--
Wholesale and retail trade		--	45.3	23.7	11.9	21.6	43.4	--	--	--
Wholesale trade		--	14.4	8.9	4.2	5.5	13.7	--	--	--
Wholesale trade-durable goods	50	--	7.7	4.4	1.8	3.3	7.5	--	--	--
Wholesale trade-nondurable goods	51	--	6.7	4.5	2.4	2.2	6.2	--	--	--
Retail trade		--	30.9	14.8	7.7	16.1	29.8	--	--	--
Building materials and garden supplies	52	--	2.2	1.3	0.7	0.8	2.1	--	--	--
Lumber and other building materials	521	--	1.3	0.7	0.6	--	1.3	--	--	--
Hardware stores	525	--	0.5	0.3	0.1	0.1	0.5	--	--	--
General merchandise stores	53	--	7.0	4.4	1.4	2.5	6.4	--	--	--
Food stores	54	--	4.8	2.4	1.6	2.4	4.7	--	--	--
Grocery stores	541	--	4.6	2.4	1.6	2.2	4.5	--	--	--
Retail bakeries	546	--	( <sup>10</sup> )	( <sup>10</sup> )	( <sup>10</sup> )	( <sup>10</sup> )	( <sup>10</sup> )	--	--	--
Automotive dealers and service stations	55	--	3.4	1.4	0.8	2.0	3.2	--	--	--
New and used car dealers	551	--	1.8	0.6	0.4	1.2	1.6	--	--	--
Gasoline service stations	554	--	0.7	0.4	0.2	0.3	0.7	--	--	--
Apparel and accessory stores	56	--	0.7	0.1	0.1	0.6	0.7	--	--	--
Furniture and homefurnishings stores	57	--	1.3	0.6	0.4	0.7	1.2	--	--	--
Eating and drinking places	58	--	9.1	3.5	2.1	5.6	9.0	--	--	--
Miscellaneous retail	59	--	2.4	1.0	0.7	1.4	2.4	--	--	--
Finance, insurance, and real estate		--	4.0	2.1	1.2	1.9	3.7	--	--	--
Depository institutions	60	--	0.7	0.3	0.3	0.4	0.6	--	--	--
Insurance carriers	63	--	0.7	0.4	0.2	0.3	0.6	--	--	--
Real estate	65	--	2.0	1.2	0.5	0.7	1.8	--	--	--
Services		--	41.4	21.4	11.1	20.0	38.6	--	--	--
Hotels and other lodging places	70	--	1.8	1.0	0.4	0.8	1.7	--	--	--
Personal services	72	--	1.4	0.8	0.5	0.5	1.3	--	--	--
Laundry, cleaning, and garment services	721	--	1.1	0.7	0.4	--	1.0	--	--	--
Business services	73	--	2.2	1.4	--	0.8	2.1	--	--	--
Auto repair, services, and parking	75	--	1.4	0.6	0.4	0.8	1.4	--	--	--
Automotive repair shops	753	--	0.9	0.4	0.2	0.5	0.9	--	--	--
Automotive services, except repair	754	--	0.4	0.2	0.1	0.2	0.4	--	--	--
Miscellaneous repair services	76	--	0.7	0.4	0.3	0.2	0.6	--	--	--
Motion pictures	78	--	0.2	0.1	( <sup>10</sup> )	0.1	0.1	--	--	--
Amusement and recreation services	79	--	1.9	1.1	0.5	0.8	1.8	--	--	--
Health services	80	--	25.5	12.2	6.2	13.3	23.3	--	--	--
Nursing and personal care facilities	805	--	7.3	4.7	2.1	2.6	7.0	--	--	--
Hospitals	806	--	14.8	6.0	3.0	8.8	13.4	--	--	--
Educational services	82	--	0.7	0.4	0.2	0.3	0.7	--	--	--
Colleges and universities	822	--	0.2	0.2	0.1	( <sup>10</sup> )	0.2	--	--	--
Social services	83	--	3.7	2.3	1.1	1.3	3.4	--	--	--

See footnotes at end of table.



Table 7. Numbers of nonfatal occupational injuries and illnesses by industry and case types, 2002 - Continued

(In thousands)

## Michigan

Industry <sup>1</sup>	SIC code <sup>2</sup>	1998 Annual average employment <sup>3</sup>	Injuries and illnesses				Injuries			
			Total cases	Lost workday cases		Cases without lost work-days	Total cases	Lost workday cases		Cases without lost work-days
				Total <sup>4</sup>	With days away from work <sup>5</sup>			Total <sup>4</sup>	With days away from work <sup>5</sup>	
State and local government		--	32.4	15.9	9.7	16.5	29.7	--	--	--
State government		--	5.9	2.8	1.5	3.1	5.5	--	--	--
Services		--	4.5	1.9	0.8	2.6	4.2	--	--	--
Health services	80	--	1.7	0.7	0.3	1.0	1.6	--	--	--
Educational services	82	--	2.4	1.0	0.4	1.4	2.2	--	--	--
Colleges and universities	822	--	2.4	1.0	0.4	1.4	2.2	--	--	--
Social services	83	--	0.4	0.2	0.1	0.2	0.4	--	--	--
Public administration		--	1.4	0.9	0.7	0.5	1.2	--	--	--
Justice, public order, and safety	92	--	0.9	0.8	0.5	0.3	0.8	--	--	--
Administration of human resources	94	--	( <sup>10</sup> )	( <sup>10</sup> )	( <sup>10</sup> )	( <sup>10</sup> )	( <sup>10</sup> )	--	--	--
Administration of economic programs	96	--	0.2	0.1	0.1	0.1	0.1	--	--	--
Local government		--	26.5	13.1	8.2	13.4	24.2	--	--	--
Construction		--	0.9	0.5	0.3	0.4	0.8	--	--	--
Services		--	12.7	5.4	3.4	7.3	12.2	--	--	--
Hospitals	806	--	1.0	0.5	0.2	0.6	0.9	--	--	--
Educational services	82	--	10.4	4.1	2.7	6.3	10.1	--	--	--
Elementary and secondary schools	821	--	9.8	3.9	2.6	5.9	9.5	--	--	--
Public administration		--	11.9	6.8	4.2	5.2	10.5	--	--	--
Executive, legislative, and general	91	--	11.3	6.3	3.8	5.0	9.9	--	--	--